PORTS® BY THE NUMBERS

PORTS® is NOAA’s Physical Oceanographic Real-Time System; a collaborative program providing oceanographic and meteorological observations for mariners to safely navigate increasingly congested shipping lanes.

35+ new systems established over the last 30 years

PORTS® serves 80 of the top 175 US seaports = 45%

90% The percent of cargo transiting in and out of U.S. seaports being served by a NOAA PORTS®

PORTS® provides data in real-time & collects measurements every 6 MINUTES

Reduced accidents by 50% or more at multiple seaports

Accessible 24 hours a day / 7 days a week via internet or telephone

Generated $50 million* in economic benefits over a 5-year period

*cumulative benefits for PORTS® in Houston/Galveston, NY/NJ, and Tampa Bay between 2005-2010

10 Types of Data

PORTS® uses emerging technology (e.g. sensors, meters) to measure the following parameters and assist navigators, emergency responders, coastal planners, weather forecasters, recreational users, and scientific researchers.

Water Levels & Tides, Waves, Currents, Wind, Air Gap, Visibility, Barometric Pressure, Air & Water Temperature, Humidity, Salinity

https://tidesandcurrents.noaa.gov/ports_info.html